

Utah Occupational Projections 2000 - 2010

by Occupational Group

	Employment		Annual Job Openings			Hourly Wage		Training Level
	2000	2010	Growth	Replacements	Total	Entry	Average	
Production Occupations	91,720	105,750	1,400	2,120	3,530			
Supervisors, Production Workers	6,030	6,600	60	160	220	\$12.30	\$19.20	Related Experience
Assemblers and Fabricators	20,950	24,340	340	380	720			
<i>Electrical, Electronics, and Electromechanical Assemblers</i>	<i>1,740</i>	<i>1,740</i>	<i>0</i>	<i>50</i>	<i>50</i>			
Coil Winders, Tapers, and Finishers	260	270	0	10	10			Short-Term OJT
Electrical and Electronic Equipment Assemblers	1,100	1,040	0	30	30	\$7.90	\$10.60	Short-Term OJT
Electromechanical Equipment Assemblers	390	440	10	10	20	\$9.70	\$12.70	Short-Term OJT
Engine and Other Machine Assemblers	60	70	0	0	0	\$12.40	\$15.60	Short-Term OJT
Structural Metal Fabricators and Fitters	1,290	1,560	30	20	50	\$9.50	\$13.30	Moderate OJT
Miscellaneous Assemblers and Fabricators	17,870	20,960	310	310	620			
Fiberglass Laminators and Fabricators	230	280	10	0	10			Moderate OJT
Team Assemblers	14,570	16,770	220	260	480	\$8.00	\$10.60	Moderate OJT
Assemblers and Fabricators, All Other	3,060	3,900	80	50	140	\$7.10	\$11.00	Moderate OJT
Food Processing Workers	5,460	6,580	110	110	230			
Bakers	1,860	2,440	60	30	90	\$7.00	\$10.40	Long-Term OJT
Butchers and Other Meat, Poultry, and Fish Processing Workers	2,030	2,320	30	50	80			
Butchers and Meat Cutters	1,060	1,130	10	30	30	\$9.30	\$13.50	Long-Term OJT
Meat, Poultry, and Fish Cutters and Trimmers	550	680	10	10	30			Short-Term OJT
Slaughterers and Meat Packers	420	500	10	10	20			Moderate OJT
Miscellaneous Food Processing Workers	1,580	1,820	30	40	60			
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	100	120	0	0	10	\$7.30	\$8.90	Short-Term OJT
Food Batchmakers	790	930	10	20	30	\$7.00	\$10.40	Short-Term OJT
Food Cooking Machine Operators and Tenders	560	640	10	10	20	\$8.60	\$11.10	Short-Term OJT
Food Processing Workers, All Other	120	120	0	0	0	\$6.60	\$9.40	Short-Term OJT

*Annual Wage

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, May 2003

Utah Occupational Projections 2000 - 2010

by Occupational Group

	Employment		Annual Job Openings			Hourly Wage		Training Level
	2000	2010	Growth	Replacements	Total	Entry	Average	
Metal Workers and Plastic Workers	17,470	20,070	260	450	710			
Computer Control Programmers and Operators	1,050	1,350	30	40	70			
Computer-Controlled Machine Tool Operators, Metal and Plastic	910	1,190	30	30	60	\$10.60	\$14.00	Long-Term OJT
Numerical Tool and Process Control Programmers	140	160	0	10	10	\$13.90	\$17.00	Long-Term OJT
Forming Machine Setters, Operators, and Tenders, Metal and Plastic	1,590	1,720	10	40	60			
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	830	930	10	20	30	\$9.50	\$12.20	Moderate OJT
Forging Machine Setters, Operators, and Tenders, Metal and Plastic	390	400	0	10	10	\$9.70	\$12.70	Moderate OJT
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	370	390	0	10	10	\$8.30	\$13.70	Moderate OJT
Machine Tool Cutting Setters, Operators, and Tenders, Metal and Plastic	3,150	3,270	10	90	100			Moderate OJT
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	920	930	0	20	20	\$8.80	\$11.30	Moderate OJT
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	260	260	0	10	10	\$8.40	\$11.30	Moderate OJT
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	910	1,020	10	20	30	\$7.70	\$10.50	Moderate OJT
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	350	350	0	10	10	\$9.00	\$13.50	Moderate OJT
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	720	710	0	20	20	\$9.00	\$11.40	Moderate OJT
Machinists	3,010	3,390	40	60	100	\$11.40	\$16.00	Long-Term OJT
Metal Furnace and Kiln Operators and Tenders	360	420	10	10	20			
Metal-Refining Furnace Operators and Tenders	200	230	0	10	10	\$11.10	\$15.40	Moderate OJT
Pourers and Casters, Metal	160	190	0	10	10	\$10.90	\$13.90	Moderate OJT

*Annual Wage

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, May 2003

Utah Occupational Projections 2000 - 2010

by Occupational Group

	Employment		Annual Job Openings			Hourly Wage		Training Level
	2000	2010	Growth	Replacements	Total	Entry	Average	
Model Makers and Patternmakers, Metal and Plastic	280	300	0	10	10			
Model Makers, Metal and Plastic	210	230	0	10	10			Moderate OJT
Patternmakers, Metal and Plastic	70	70	0	0	0	\$7.60	\$12.40	Moderate OJT
Molders and Molding Machine Setters, Operators, and	990	1,160	20	20	40			
Foundry Mold and Coremakers	230	240	0	10	10	\$8.60	\$11.40	Moderate OJT
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	750	920	20	20	30	\$8.50	\$10.80	Moderate OJT
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	670	800	10	10	20	\$9.50	\$13.70	Moderate OJT
Tool and Die Makers	270	290	0	10	10	\$12.40	\$17.80	Long-Term OJT
Welding, Soldering, and Brazing Workers	4,600	5,860	130	130	260			
Welders, Cutters, Solderers, and Brazers	4,130	5,320	120	120	240	\$10.20	\$13.70	Vocational
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	470	540	10	10	20	\$9.20	\$12.30	Moderate OJT
Miscellaneous Metalworkers and Plastic Workers	1,520	1,530	0	30	40			
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	140	160	0	0	10	\$9.10	\$12.60	Moderate OJT
Lay-Out Workers, Metal and Plastic	160	160	0	0	0	\$10.80	\$13.40	Moderate OJT
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	530	550	0	10	10	\$9.90	\$13.70	Moderate OJT
Tool Grinders, Filers, and Sharpeners	500	440	0	10	10			Moderate OJT
Metal Workers and Plastic Workers, All Other	200	220	0	0	10	\$8.90	\$14.10	Moderate OJT

*Annual Wage

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, May 2003

Utah Occupational Projections 2000 - 2010

by Occupational Group

	Employment		Annual Job Openings			Hourly Wage		Training Level
	2000	2010	Growth	Replacements	Total	Entry	Average	
Printing Workers	4,310	4,940	60	110	170			
<i>Bookbinders and Bindery Workers</i>	<i>1,150</i>	<i>1,450</i>	<i>30</i>	<i>30</i>	<i>60</i>			
Bindery Workers	1,070	1,350	30	30	60	\$6.80	\$9.60	Moderate OJT
Bookbinders	80	110	0	0	10	\$11.10	\$13.30	Moderate OJT
Printers	3,040	3,370	30	80	110			
Job Printers	550	720	20	10	30	\$9.30	\$14.60	Long-Term OJT
Prepress Technicians and Workers	870	890	0	20	20	\$7.60	\$12.50	Long-Term OJT
Printing Machine Operators	1,630	1,750	10	40	50	\$9.10	\$13.30	Long-Term OJT
<i>Printing Workers, All Other</i>	<i>110</i>	<i>120</i>	<i>0</i>	<i>0</i>	<i>0</i>			<i>Moderate OJT</i>
Textile, Apparel, and Furnishings Workers	5,750	5,670	0	120	120			
<i>Laundry and Dry-Cleaning Workers</i>	<i>1,480</i>	<i>1,690</i>	<i>20</i>	<i>40</i>	<i>60</i>	<i>\$6.70</i>	<i>\$8.10</i>	<i>Moderate OJT</i>
<i>Pressers, Textile, Garment, and Related Materials</i>	<i>510</i>	<i>680</i>	<i>20</i>	<i>10</i>	<i>20</i>	<i>\$6.00</i>	<i>\$7.00</i>	<i>Short-Term OJT</i>
<i>Sewing Machine Operators</i>	<i>2,000</i>	<i>1,560</i>	<i>0</i>	<i>20</i>	<i>20</i>	<i>\$7.00</i>	<i>\$9.70</i>	<i>Moderate OJT</i>
<i>Shoe and Leather Workers</i>	<i>50</i>	<i>70</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>\$8.20</i>	<i>\$11.20</i>	<i>Long-Term OJT</i>
<i>Tailors, Dressmakers, and Sewers</i>	<i>440</i>	<i>440</i>	<i>0</i>	<i>10</i>	<i>10</i>			
Sewers, Hand	70	50	0	0	0	\$6.10	\$7.20	Short-Term OJT
Tailors, Dressmakers, and Custom Sewers	380	390	0	10	10	\$8.30	\$11.80	Related Experience
<i>Textile Machine Setters, Operators, and Tenders</i>	<i>440</i>	<i>420</i>	<i>0</i>	<i>10</i>	<i>10</i>			
Textile Bleaching and Dyeing Machine Operators and Tenders	140	180	10	0	10			Moderate OJT
Textile Cutting Machine Setters, Operators, and Tenders	240	220	0	0	0	\$7.30	\$10.10	Moderate OJT
Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	50	10	0	0	0			Moderate OJT
Miscellaneous Textile, Apparel, and Furnishings Workers	840	820	0	30	30			
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	140	140	0	0	0	\$8.10	\$11.10	Moderate OJT
Upholsterers	600	590	0	20	20			Long-Term OJT
Textile, Apparel, and Furnishings Workers, All Other	80	80	0	0	0	\$8.40	\$10.70	Moderate OJT

*Annual Wage

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, May 2003

Utah Occupational Projections 2000 - 2010

by Occupational Group

	Employment		Annual Job Openings			Hourly Wage		Training Level
	2000	2010	Growth	Replacements	Total	Entry	Average	
Woodworkers	4,040	4,690	70	150	210			
<i>Cabinetmakers and Bench Carpenters</i>	<i>2,380</i>	<i>2,770</i>	<i>40</i>	<i>80</i>	<i>120</i>	<i>\$8.00</i>	<i>\$11.30</i>	<i>Long-Term OJT</i>
<i>Furniture Finishers</i>	<i>420</i>	<i>490</i>	<i>10</i>	<i>20</i>	<i>30</i>	<i>\$8.50</i>	<i>\$12.60</i>	<i>Long-Term OJT</i>
<i>Model Makers and Patternmakers, Wood</i>	<i>220</i>	<i>260</i>	<i>0</i>	<i>10</i>	<i>10</i>			
Model Makers, Wood	100	120	0	0	10	\$8.50	\$10.90	Long-Term OJT
Patternmakers, Wood	120	140	0	10	10	\$8.90	\$12.60	Long-Term OJT
Woodworking Machine Setters, Operators, and Tenders	880	980	10	40	50			
Sawing Machine Setters, Operators, and Tenders, Wood	410	470	10	20	20	\$7.20	\$10.20	Moderate OJT
Woodworking Machine Setters, Operators, and Tenders, Except Sawing	470	510	0	20	20	\$7.10	\$11.00	Moderate OJT
Miscellaneous Woodworkers	140	190	10	10	10	\$7.00	\$10.10	Moderate OJT
Plant and System Operators	2,520	3,010	50	80	130			
Power Plant Operators, Distributors, and Dispatchers	570	620	10	20	20			
Power Distributors and Dispatchers	70	70	0	0	0	\$18.60	\$24.00	Long-Term OJT
Power Plant Operators	500	540	0	20	20	\$17.60	\$23.40	Long-Term OJT
Stationary Engineers and Boiler Operators	180	190	0	10	10	\$13.10	\$18.20	Long-Term OJT
Water and Liquid Waste Treatment Plant and System Operators	800	1,140	30	30	60	\$12.90	\$16.40	Long-Term OJT
Miscellaneous Plant and System Operators	980	1,070	10	30	40			
Chemical Plant and System Operators	310	380	10	10	20	\$14.70	\$17.20	Long-Term OJT
Gas Plant Operators	210	190	0	10	10	\$15.90	\$20.60	Long-Term OJT
Petroleum Pump System Operators, Refinery Operators, and Gaugers	310	320	0	10	10	\$16.30	\$21.70	Long-Term OJT
Plant and System Operators, All Other	150	180	0	10	10	\$12.30	\$16.00	Long-Term OJT

*Annual Wage

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, May 2003

Utah Occupational Projections 2000 - 2010

by Occupational Group

	Employment		Annual Job Openings			Hourly Wage		Training Level
	2000	2010	Growth	Replacements	Total	Entry	Average	
Other Production Occupations	25,180	29,870	470	570	1,040			
<i>Chemical Processing Machine Setters, Operators, and Tenders</i>	440	540	10	10	20			
Chemical Equipment Operators and Tenders	190	260	10	0	10	\$8.20	\$12.00	Moderate OJT
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	250	280	0	10	10	\$11.60	\$17.10	Moderate OJT
<i>Crushing, Grinding, Polishing, Mixing, and Blending Workers</i>	2,210	2,670	50	50	100			
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	870	1,000	10	20	30	\$10.60	\$15.70	Moderate OJT
Grinding and Polishing Workers, Hand	570	710	10	10	30	\$8.00	\$10.40	Moderate OJT
Mixing and Blending Machine Setters, Operators, and Tenders	760	970	20	20	40	\$8.30	\$11.30	Moderate OJT
<i>Cutting Workers</i>	950	1,090	10	20	30			
Cutters and Trimmers, Hand	190	220	0	0	10	\$7.40	\$9.50	Short-Term OJT
Cutting and Slicing Machine Setters, Operators, and Tenders	770	870	10	10	20	\$8.00	\$11.40	Moderate OJT
<i>Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders</i>	720	890	20	20	30	\$7.70	\$10.70	Moderate OJT
<i>Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders</i>	110	130	0	0	10	\$10.10	\$14.60	Moderate OJT
<i>Inspectors, Testers, Sorters, Samplers, and Weighers</i>	3,180	3,200	0	70	70	\$8.80	\$14.10	Moderate OJT
<i>Jewelers and Precious Stone and Metal Workers</i>	670	950	30	20	50			Vocational
<i>Medical, Dental, and Ophthalmic Laboratory Technicians</i>	1,830	2,330	50	50	100			
Dental Laboratory Technicians	460	600	10	10	30	\$7.50	\$11.20	Long-Term OJT
Medical Appliance Technicians	1,190	1,530	30	30	70	\$8.80	\$11.70	Long-Term OJT
Ophthalmic Laboratory Technicians	180	190	0	10	10	\$7.80	\$10.60	Moderate OJT

*Annual Wage

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, May 2003

Utah Occupational Projections 2000 - 2010

by Occupational Group

	Employment		Annual Job Openings			Hourly Wage		Training Level
	2000	2010	Growth	Replacements	Total	Entry	Average	
Packaging and Filling Machine Operators and Tenders	3,560	4,530	100	80	180	\$7.70	\$10.30	Short-Term OJT
Painting Workers	1,350	1,670	30	30	60			
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	880	1,070	20	20	40	\$8.80	\$11.40	Moderate OJT
Painters, Transportation Equipment	270	350	10	10	10	\$11.10	\$15.80	Moderate OJT
Painting, Coating, and Decorating Workers	200	250	10	10	10	\$7.40	\$10.30	Short-Term OJT
Photographic Process Workers and Processing Machine Operators	550	590	0	10	20			
Photographic Process Workers	300	290	0	10	10	\$7.80	\$10.10	Moderate OJT
Photographic Processing Machine Operators	250	300	0	10	10	\$7.60	\$9.20	Short-Term OJT
Semiconductor Processors	840	1,090	30	20	40			Associate degree
Miscellaneous Production Workers	8,780	10,200	140	200	340			
Cementing and Gluing Machine Operators and Tenders	230	270	10	10	10	\$7.00	\$9.50	Moderate OJT
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	200	200	0	10	10			Moderate OJT
Cooling and Freezing Equipment Operators and Tenders	110	120	0	0	0	\$7.90	\$10.90	Moderate OJT
Etchers and Engravers	60	80	0	0	0	\$9.30	\$11.00	Long-Term OJT
Molders, Shapers, and Casters, Except Metal and Plastic	360	430	10	10	20	\$7.90	\$11.20	Moderate OJT
Paper Goods Machine Setters, Operators, and Tenders	1,290	1,440	10	30	40	\$9.20	\$12.10	Moderate OJT
Helpers--Production Workers	4,330	5,130	80	110	190	\$6.90	\$9.10	Short-Term OJT
Production Workers, All Other	2,160	2,480	30	40	70	\$8.10	\$11.60	Moderate OJT

*Annual Wage

Note: Detail may not add to totals because of the exclusion of small occupations and rounding.

Source: Utah Department of Workforce Services, May 2003